IN THE CLAIMS:

Please cancel claims 7 and 14. **Please also amend** claims 1, 2, 4, 6, 8, 9, 11, and 13, as shown in the complete list of claims that is presented below.

1. (currently amended) A synchronizing position detecting circuit for use in a receiver at a mobile station in a mobile communication system, comprising:

a window size determining circuit ~~for calculating,~~ which calculates a moved distance [[of a]] in which the mobile station has moved from a first location to a second location during a sleep time based on a moving speed of the mobile station and a duration of the sleep ~~time~~ time, ~~of an intermittent reception,~~ the window size determining circuit selecting a window size ~~based on~~ for ascertaining a phase change of a ~~distance~~ received signal ~~including~~ that includes a [[code]] code; ~~corresponding to the moved distance;~~

a synchronizing code generating circuit [[for]] which repeatedly ~~producing~~ generates a synchronizing code ~~that coincides~~ with at least [[a]] part of the code of the ~~distance~~ received signal, the synchronizing code generating circuit successively shifting a phase of the synchronizing code by a predetermined phase width so as to ~~shift the window size~~ provide a plurality of candidate signals with phases lying within the window;

a correlation circuit for calculating a correlation function between the ~~synchronizing code~~ candidate signals and the ~~distance~~ received signal; and

a synchronizing position determining circuit that determines which candidate signal has ~~for determining a correlation function having~~ a maximum correlation value with the received signal. ~~to detect the distance signal, the position determining circuit outputting a synchronizing position signal representing a detecting position.~~

2. (currently amended) A synchronizing position detecting circuit according to claim 1, wherein when the synchronizing position ~~signal is outputted from said synchronizing position~~ determining circuit has determined which candidate signal has a maximum correlation value with the received signal, the synchronizing code generating circuit synchronizes a phase of the synchronizing code with a phase of the ~~distance~~ received signal based on the ~~synchronizing position signal.~~ candidate signal having a maximum correlation value.

3. (original) A synchronizing position detecting circuit according to claim 1, wherein the window size determining circuit selects a window size from a plurality of predetermined window sizes.

4. (currently amended) A synchronizing position detecting circuit according to claim 1, wherein the window size determining circuit selects a window size based on a phase change of the ~~distance~~ received signal corresponding to the moved distance and a phase change of the synchronizing code.

5. (original) A synchronizing position detecting circuit according to claim 4, wherein the phase change of the synchronizing code is caused during one sleep time due to an error of the synchronizing code generating circuit.

6. (currently amended) A synchronizing position detecting circuit according to claim 1, wherein the synchronizing position determining circuit judges that the ~~distance~~ received signal is detected when the correlation function calculated by the correlation [[means]] circuit exceeds a threshold value.

Claim 7 (cancelled).

8. (currently amended) A synchronizing position detecting circuit for use at a receiver in a mobile station in a mobile communication system, comprising:

a distance estimating circuit ~~for calculating~~ which calculates a distance ~~change in straight line~~ between a first distance and a second distance as an estimated distance, the first distance being defined by a distance between a location where a base station is located and a location where the mobile station is located before ~~caused by movement of the mobile station during~~ a sleep time of the mobile station and the second distance being defined by a distance between the location where ~~as an estimated distance based on position information of~~ the base station is located and a location where the mobile station ~~and a~~ is located after the sleep [[time]] time; ~~of an intermittent reception;~~

a window size determining circuit ~~for selecting~~ which selects a window [[size]] size, the window size being selected to accommodate ~~based on~~ a phase change of a

~~distance~~ received signal from the base station corresponding to the estimated moved distance, the received signal including a code;

a synchronizing code generating circuit [[for]] which repeatedly ~~producing~~ generates a synchronizing code that coincides with [[a]] at least part of the code of the ~~distance~~ received signal, the synchronizing code generating circuit successively shifting a phase of the synchronizing code by a predetermined phase width so as to ~~shift the window size;~~ produce a plurality of a candidate signals with phases laying within the window;

a correlation circuit ~~for calculating~~ which calculates a correlation function between the ~~synchronizing code~~ candidate signals and the ~~distance~~ received signal; and

a synchronizing position determining circuit that determines which candidate signal has ~~for determining a correlation function having~~ a maximum correlation value ~~to detect~~ with the ~~distance~~ received signal. ~~signal, the position determining circuit outputting a synchronizing position signal representing a detecting position.~~

9. (currently amended) A synchronizing position detecting circuit according to claim 8, wherein when the synchronizing position ~~signal is outputted from said synchronizing position~~ determining circuit has determined which candidate signal has a maximum correlation value with the received signal, the synchronizing code generating circuit synchronizes a phase of the synchronizing code with a phase of the ~~distance~~ received signal based on the ~~synchronizing position signal.~~ candidate signal having a maximum correlation value.

10. (original) A synchronizing position detecting circuit according to claim 8, wherein the window size determining circuit selects a window size from a plurality of predetermined window sizes.

11. (currently amended) A synchronizing position detecting circuit according to claim 8, wherein the window size determining circuit selects a window size based on a phase change of the ~~distance~~ received signal corresponding to the [[moved]] estimated distance and a phase change of the synchronizing code.

12. (original) A synchronizing position detecting circuit according to claim 11, wherein the phase change of the synchronizing code is caused during one sleep time due to an error of the synchronizing code generating circuit.

13. (currently amended) A synchronizing position detecting circuit according to claim 8, wherein the synchronizing position determining circuit judges that the ~~distance~~ received signal is detected when the correlation function calculated by the correlation [[means]] circuit exceeds a threshold value.

Claim 14 (cancelled).